

Abstract of the Disclosure

A receiver for improving reception ability of digital broadcasting service by switched beam-forming is disclosed.

5 The receiver includes: an array antenna having a plurality of antenna elements for receiving signals of the digital broadcasting service; a demodulation unit for demodulating the receiving signals corresponding to each of antenna elements in the array antenna; beam-forming unit for 10 generating a predetermined number of beam-forming signal by applying a beam-forming weights in order to direct to a predetermined direction according to the modulated signal from the modulation unit; and beam selection unit for selectively receiving signals of desired direction 15 according to the beam forming signal. The present invention effectively eliminates multipath based on space filtering by utilizing beam-forming method with an array antenna for improving receiving performance of digital television broadcasting with VSB.

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